

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the above-captioned patent application:

Listing of Claims:

1. (Currently Amended) A system for remotely monitoring and controlling at least one HVAC device comprising:

a server with bi-directional communications access to an entry device and at least one HVAC device and containing stored information relating to the status of said at least one HVAC device and further containing stored information that includes a password and a user name that are associated with said at least one HVAC device which must be properly identified before stored status information can be accessed by the entry device;

querying means in said server for querying said at least one HVAC device for status information for storage in said server on demand in order to detect a problem associated with the monitoring of the at least one HVAC device as well as to detect any problems with the monitored device itself; and

means for sending said status information to said entry device when the message from said entry device includes a recognized password and user name associated with said at least one HVAC device.

2. (Original) A system according to claim 1, further comprising:

means residing in said server for checking for messages from said at least one HVAC device; and

means residing in said server for sending an alarm message to said entry device when an alarm message is received from said at least one HVAC device.

3. (Original) A system according to claim 2, further comprising means for automatically sending alarm messages from said at least one HVAC device through said server to said entry device.
4. (Canceled)
5. (Canceled)
6. (Previously Presented) A system according to claim 1, further comprising means for automatically updating said stored information on a regular basis in the absence of said message for said entry device.
7. (Original) A system according to claim 1, further comprising means for changing settings on said at least one HVAC device from said entry device.
8. (Original) A system according to claim 1, wherein said entry device is one of a handheld computer, a cell phone, and a personal data assistant.
9. (Original) A system according to claim 1, wherein said communications access includes connections over the Internet.
10. (Original) A system according to claim 1, wherein said communications access includes connections over the GSM network.
11. (Original) A system according to claim 1, wherein said communications access includes connections over both the Internet and the GSM network.

12. (Currently Amended) A system for remotely monitoring and controlling at least one HVAC device, comprising:

a server with bi-directional communications access to an entry device and said at least one HVAC device and containing stored information relating to the status of at least one HVAC device and further containing stored information that includes a password and a user name associated with said at least one HVAC device which must be properly identified before stored status information can be accessed by the entry device;

querying means in said server for querying said at least one HVAC device for status information for storage in said server on demand in order to detect a problem associated with the monitoring of the at least one HVAC device as well as to detect any problems with the monitored device itself;

means for sending said status information to said entry device in response to said querying means;

means residing in said server for checking for messages from said at least one HVAC device;

means residing in said server for sending an alarm message to said entry device when an alarm message is received from said at least one HVAC device;

means for automatically sending alarm messages from said at least one HVAC device through said server to said entry device;

means for automatically updating said stored information on a regular basis in the absence of said message from said entry device; and

means for changing settings on said at least one HVAC device from said entry device.

13. (Currently Amended) A method for remotely monitoring and controlling at least one HVAC device, comprising the steps of:

providing a server with bi-directional communications access to an entry device and said at least one HVAC device and having a first database relating to the status of at least one HVAC device and a second database that includes a password

and a user name associated with said at least one HVAC device which must be properly identified before requested status information can be accessed by the entry device;

querying said at least one HVAC device for status information when requested by a message from said entry device on demand in order to detect a problem associated with the monitoring of the at least one HVAC device as well as to detect any problems with the monitored device itself; and

sending said status information to said entry device in response to said querying means.

14. (Previously Presented) A method according to claim 13, further comprising the steps of:

checking for messages from said at least one HVAC device;

transferring said messages from said at least one HVAC device to said server; and

sending an alarm message from said server to said entry device when an alarm message is received from said at least one HVAC device.

15. (Canceled)

16. (Canceled)

17. (Previously Presented) The system of claim 1, wherein status information is stored in a first database and said password and user's name information is stored in a second database.

18. (Previously Presented) The system of claim 12, wherein status information is stored in a first database and said password and user's name information stored in a second database.

19. (Currently Amended) A system for remotely monitoring and controlling at least one HVAC device comprising:

a server with a bi-directional communications access connection to an entry device and bi-directional communications access to at least one HVAC device and containing stored status information relating to the status of said at least one HVAC device and further containing stored user information that includes a password and a user name that are associated with said at least one HVAC device which must be properly identified before said stored status information can be accessed by said entry device;

querying means in said server for querying said at least one HVAC device for status information for storage in said server as stored status information on demand in order to detect a problem associated with the monitoring of the at least one HVAC device as well as to detect any problems with the monitored device itself; and

means for sending said stored status information to said entry device when a message from said entry device to said server includes a recognized password and user name associated with said at least one HVAC device; and

means for said entry device to detect a time out event associated with said bi-directional communications access connection.